

PTO/SB/08A (08-03)

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<b>Substitute for form 1449/PTO</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				Application Number	10/706,723
				Filing Date	12 November 2003
				First Named Inventor	Ian Robinson
				Art Unit	2819
				Examiner Name	Joseph L. Lauture
				Attorney Docket Number	NG(ST)6757
Sheet	1	of	2		

**U.S. PATENT DOCUMENTS**

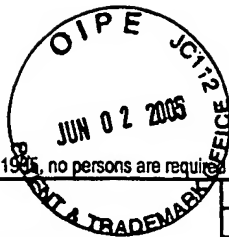
Examiner Initials	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (If Known)	Publication Date MM-DD-YYYY	Name Of Patentee Or Applicant Of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
J-L		US-6,191,715B1	02-20-2001	Fowers	Fig. 1
J-L		US-6,291,924B1	09-18-2001	Lau, et al.	Col. 6, line27-53 Fig. 13
J-L		US-6,317,468B1	11-13-2001	Meyer	Fig. 2
J-L		US-6,323,795B1	11-27-2001	Yang, et al.	Fig. 3
J-L		US-2003/017931A1	09-25-2003	Gupta, et al.	Fig. 3
J-L		US-2004/222870A1	11-11-2004	Ueda, et al.	Corresponds to WO 03/050949A1-provided for English language

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code-Number-Kind Code (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
J-L		EP 0 878 903 A2	11-18-1998	Matsushita Electric Industrial Co., Ltd.	Figs. 1 & 16	
J-L		WO 03/050949 A1	06-19-2003	Fujitsu Media Devices Limited	Abstract (English versions provided) (See EP 1 453 197A1 & US2004/222870A1)	
J-L		EP 1 453 197 A1	09-01-2004	Fujitsu Media Devices Limited	Corresponds to WO 03/050949A1-provided for English language	

**EXAMINER SIGNATURE** *[Signature]* **DATE CONSIDERED** 06/10/05

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PTO/SB/08B (04-03)

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
JL		YONGHONG GAO, ET AL.: "A Fifth-Order Comb Decimation Filter for Multi-Standard Transceiver Applications"; Circuits and Systems, 2000 Proceedings, ISCAS 2000 Geneva, The 2000 IEEE International Symposium on May 28-31, 2000, Piscataway, NJ USA, IEEE, vol. 3, 28 May 2000 (2000-05-28), pages 89-92, XP010502474, ISBN: 0-7803-5482-6 paragraph 0002; Figure 4a	
JL		MAULIK P C ET AL.: "A 16-Bit 250-KHZ Delta-Sigma Modulator and Decimation Filter"; IEEE Journal of Solid-State Circuits, IEEE Inc. New York, US, vol. 35, no. 4, 1 April 2000 (2000-04-01), pages 458-466, XP001009165, ISSN: 0018-9200; abstract	
JL		BIRRU D: "Use of Comb Filters for Efficient VLSI Implementation of Reduced Clock Frequency Noise Shapers"; Electronics Letters, IEE Stevenage, GB, vol. 32, no. 14, 4 July 1996 (1996-07-04), pages 1268-1270, XP006005385, ISSN: 0013-5194, abstract	
JL		ADLER E L: "Surface Acoustic Wave Devices Fundamentals, Current Status, and Future Trends"; NPL, 17 May 1994 (1994-05-17), pages 18-18, XP010269729 Canada; the whole document.	
JL		S.R. NORSWORTHY, R. SCHREIER, G.C. TEMES: "Delta-Sigma Data Converters"; 1997, Wiley-Interscience, United States of America, XP002322216; pages 309-313, 406-408, 410-421, 197-199, 442-445, 390-394.	
JL		CHU S ET AL: "Multirate Filter Designs using Comb Filters"; IEEE Transactions on Circuits and Systems, IEEE Inc. New York, US, vol. CAS-31, no. 11, November 1984 (1984-11), pages 913-924, XP002049419 paragraph 0111	
JL		ABU-AL-SAUD W A ET AL: "Modified CIC Filter for Sample Rate Conversion in Software Radio Systems"; IEEE Signal Processing Letters IEEE USA, vol. 10, no. 5, 5 May 2003 (2003-05-05), pages 152-154; XP002322375 ISSN: 1070-9908, figure 1.	
JL		GALTON I: "Delta-Sigma Data Conversion in Wireless Transceivers" IEEE Transactions on Microwave Theory and Techniques, IEEE Inc. New York, US, vol. 50, no. 1, part 2, January 2002 (2002-01), pages 302-315, XP001085552 ISSN: 0018-9480, paragraph 0001	
JL		HURST P J ET AL: "Finite Impulse Response Switched-Capacitor Filters for the Delta-Sigma Modulator D/A Interface"; IEEE Transactions on Circuits and Systems, IEEE Inc. New York, US, vol. 38, no. 11, 1 November 1991 (1991-11-01), pages 1391-1397, CP000270297, figure 2	

Examiner Signature		Date Considered	06/10/05
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